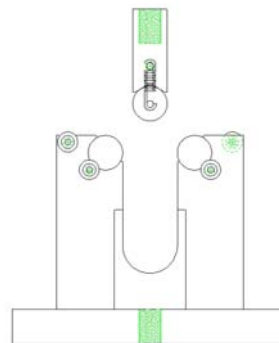


ADJUSTABLE GUIDED-BEND TEST FIXTURE FOR WELDED STEEL PRODUCTS



Specimen:	Thickness	1/4"
Fixture:	Construction	High strength steel with protective black oxide finish
	Temperature	-120 to 250°F (-85 to 120°C)
	Mounting	1/2"-20 coupling top, 1"-14 coupling bottom
	Capacity	5,000 lbs
	Weight	Approximately 65 lbs
	Dimensions	9" x 3" x 6"
	Standard	Manufactured in accordance with ASTM A370, E190, E8 and MIL-T-5021

Model No. ASTM.E0190.10 - Adjustable Guided Bend Test Fixture for Welded Steel Products.

The fixture, designed for various universal testing machines, consists of a plunger to be attached to the cross head with a 1/2" -20 threaded coupling and an adjustable bearing jig to attach to the bottom of the test machine with a 1" -14 threaded coupling. The Guided Bend Test Fixture is supplied with a loading plunger for testing 1/4" thick specimens. The plunger is replaceable for different specimen thicknesses. This fixture is designed to meet ASTM A370, ASTM E190, ASTM. E8 and MIL-T-5021 along with the weld strength testing specifications of the American Welding Society and the U.S. Navy.

MODEL NO. ASTM.E0190.10

MECHANICAL, STEEL, ASTM, ADJUSTABLE,

ACCESSORIES

ACC.E0190.1001 - Plunger for 1/8" Thick Specimens (1/2" -20 Threads)

ACC.E0190.1002 - Plunger for 3/8" Thick Specimens (1" -14 Threads)

ACC.E0190.1003 - Plunger for 1/2" Thick Specimens (1" -14 Threads)

Lower fixture attachment is supplied with 1" -14 female coupling. (Common adapter sizes include:)

Model No. M03S36 - 1.25" Male Clevis (Type D) to 1" -14 Threaded Stud

Model No. S42S36 - 1.25" -12 to 1" -14 Threaded Step Stud

Model No. S48S36 - 1.5" -12 to 1" -14 Threaded Step Stud

Model No. S60S36 - 2" -12 to 1" -14 Threaded Step Stud

Model No. LN36 - 1" -14 Threaded Locking Nut with Knurled OD

SPARE PARTS

SPA.E0190.1001 - Plunger for 1/8" Thick Specimens (1/2" -20 Threads)

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/E190.htm>

ASTM E190 - 14

Standard Test Method for Guided Bend Test for Ductility of Welds

1.1 This test method covers a guided bend test for the determination of soundness and ductility of welds in ferrous and nonferrous products.

Flaws, not shown by X rays, may appear in the surface of a specimen when it is subjected to progressive localized overstressing. This guided bend test has been developed primarily for plates and is not intended to be substituted for other methods of bend testing.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.3 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Extracted, with permission, Standard Test Method for Guided Bend Test for Ductility of Welds copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428. A copy of the complete standard may be purchased from ASTM International, www.astm.org.

Material Testing Technology